Headquarters U.S. Air Force

Integrity - Service - Excellence

Air Force Environmental Management System Overview

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Report Documentation Page

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Overview

- Background
- Plan of Attack
- Conclusion

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Our Mission

"The mission of the United States Air Force is to *fly, fight* and *win*…in air, space and cyberspace."

AF Installations Worldwide

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Air Force ESOH Vision and Priorities

- **Air Force ESOH Vision:**

  To be a world leader in ESOH management
  — to provide better care for our Airmen and our environment —
  to meet our mission in air, space, and cyberspace

- **Air Force ESOH Priorities:**
  - **Comply – Comply with all ESOH legal obligations**
  - **Reduce Risk – Ensure availability of workforce, natural, and manmade resources by effectively managing ESOH Risks**
  - **Continually Improve – Instill a culture of continual ESOH improvement**

- **SAF/IE will incorporate into AFPD 90-8, *ESOH***

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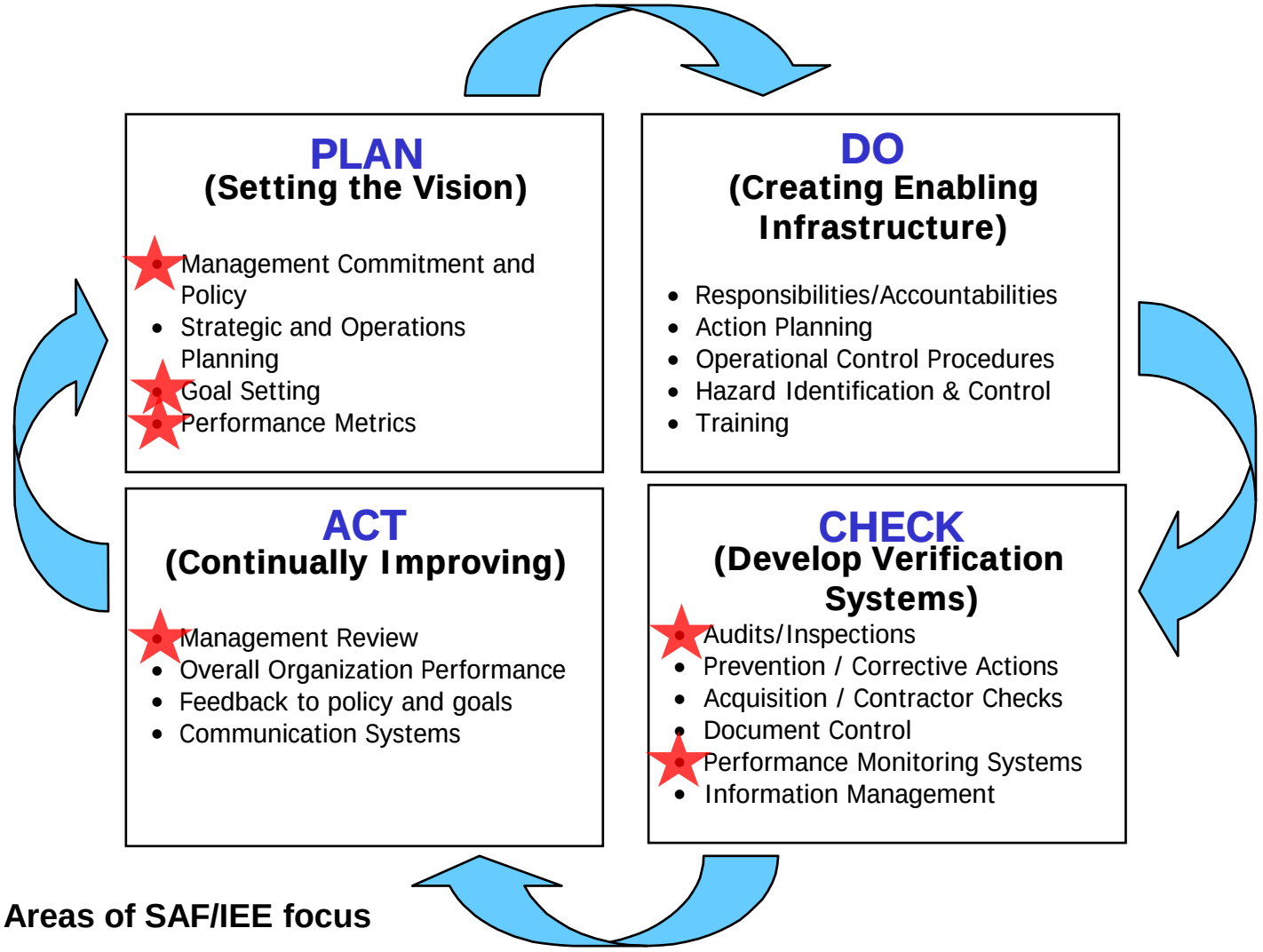
ESOH Management System Plan-Do-Check-Act Model



Areas of SAF/IEE focus

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Operationalizing ESOH Responsibilities

THE SECRETARY OF THE AIR FORCE
CHIEF OF STAFF, UNITED STATES AIR FORCE
WASHINGTON DC

MAY 13 2010

For All Airmen:

The mission of the U.S. Air Force is *to fly, fight, and win…in air, space, and cyberspace.* To continue the successful execution of our mission, we need each of you to understand the environment, safety and occupational health (ESOH) aspects of your jobs, and take action to minimize ESOH risks.

The Air Force ESOH vision is *to be a world leader in ESOH management — to provide better care for our Airmen and our environment — to meet our mission in air, space, and cyberspace.* In pursuit of this vision, it is important for you to understand our three ESOH priorities:

- **Comply:** First and foremost, we must comply with all ESOH legal obligations. Every Airman must know and comply with the laws, instructions, and policies that apply to their work. Commanders will fund all ESOH legal obligations and requirements necessary for compliance or request assistance from higher headquarters.
- **Reduce risk:** Effective ESOH risk management will ensure each of us remain a contributor to our mission as well as safeguard our natural and manmade resources. Every Airman must understand the hazards associated with their work and take action to protect themselves, their fellow Airmen, and the environment.
- **Continuously improve:** We seek a culture of continuous ESOH improvement. Every Airman must constantly seek to minimize ESOH risks and to improve the way we all contribute to the mission.

Through these priorities we remain dedicated to the Commander-in-Chief's objectives for sustainability and mission accomplishment. Your participation will be essential as we realize the President's vision and accomplish our Air Force mission.

Michael B. Donley
Secretary of the Air Force

Norton A. Schwartz
General, USAF
Chief of Staff

DEPARTMENT OF THE AIR FORCE
WASHINGTON DC

JAN 12 2011

OFFICE OF THE ASSISTANT SECRETARY

MEMORANDUM FOR ALMAJCOM-FOA-DRU/CC

SUBJECT: Operationalizing Environmental Management

On 13 May 2010, the SECAF and CSAF issued a memorandum committing the Air Force to leadership in Environmental, Safety and Occupational Health (ESOH) management as a means to meet our mission in air, space, and cyberspace. Key to attaining the environmental portion of this vision is operationalizing environmental management Air Force-wide. Operationalizing environmental management means ensuring that environmental quality is a consideration by Airmen in all activities the Air Force undertakes.

Leadership at all levels and across all mission operations and support organizations must use the Air Force Environmental Management Systems (EMS) approach to comply with environmental laws, regulations and policy, reduce risks to the mission, and continuously improve environmental management performance. Further, commanders, supervisors and work leaders must integrate EMS into all workcenters, incorporate applicable environmental requirements into all policies and procedures, train your personnel on their roles and responsibilities, and fully fund initiatives to sustain compliance. To support AFI 90-803, *ESOH Compliance Assessment Management Program (ESOHCAMP)*, standardized tier 1 self-inspection checklists are being developed to assist workcenters to integrate environmental requirements into their daily activities.

The success of operationalizing environmental management rests with you and the conscientious actions of each Airman within your span of control. Each of us must know the environmental impacts of our jobs and seek opportunities to reduce those risks to Air Force operations. Finally, ESOH Councils at all levels will use the EMS and ESOHCAMP tier 1 self-inspections to monitor and assess operationalizing environmental management and program performance.

We encourage commanders to find out how well these tools are working and welcome your feedback through the ESOH Council reporting process via the Installation-MAJCOM-HAF reporting chain. Contact Lt Col Jeff Gillen, SAF/IEE, (703) 692-9515, or Lt Col Steve Wood, AF/A7CA, (703) 604-4240, if you have questions or need additional information.

CARROL H. CHANDLER
General, USAF
Vice Chief of Staff

TERRY A. YONKERS
Assistant Secretary
(Installations, Environment and Logistics)

cc:
AF/A7C
AETC/CC

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How E, S and OH Integrate into an ESOH MS

ESOH Management System

- 3 complimentary management systems (E, S and OH) operating separately
- Systems function together where there are opportunities to create synergy and/or avert duplication of effort
- Maximize opportunities to bring separate programs together at touch points:
  - ESOHCAMPs
  - ESOH Council interactions
  - ID / control of ESOH impacts (e.g. Hazardous material control/reduction via AF HMMP teams)

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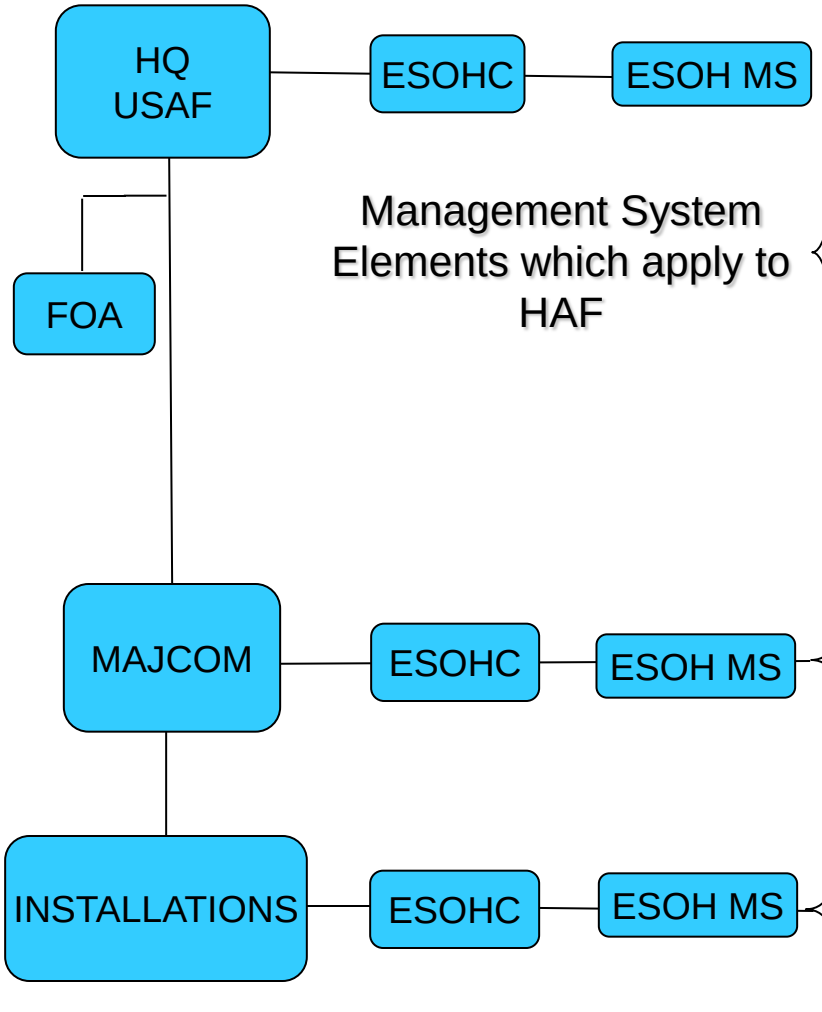
ESOH MS Hierarchical Approach



Management System Elements which apply to HAF

- Policy (AFPDs)
- Programs (AFIs)
- Requirements (Laws, EOs, DoD, USAF, etc)
- Objectives, Targets, Metrics
- Communication (To Lower Levels)
- Data Collection/Analysis
- Checking (HQ, Sampling Below)
- Management Review (ESOHC AF)
- Reporting (DoD, EPA, OMB, CEQ, OSHA)

- Same general elements as HAF

- Installation-Level ESOH MS is Fully Conforming (i.e. all standard elements are in place)

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Air Force EMS

- **Executive Order 13423**
  - **“All appropriate facilities will use EMS as the primary management approach for addressing environmental aspects of internal agency operations and activities”**
  - **For the AF, “appropriate facilities” equates to “major installations”**
- **DoDI 4715.17, *Environmental Management System*, 15 Apr 07**
- **AFI 32-7001, *Environmental Management*, final draft**

EMS

- **Enhanced way to manage Natural Infrastructure (NI) and Built Infrastructure (BI) requirements**
  - **It's a Wing Commander's program, not the Civil Engineer's!**
  - **Manage NI / BI compliance and sustainment requirements**
  - **Achieve mission, meet AF Strategic Plan objectives (sub-objective 3.3B)**
- **Holistic management concept / approach, not a computer program**
- **Used for continual improvement by increasing environmental capabilities**

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AF EMS / NIA Panel

- **Standardize management system for continually improving operational capability by reducing ESOH constraints (risks/impacts/costs)**
  - **Sustain Natural Infrastructure assets**
  - **Optimize business processes**
  - **Create effective performance measures**
- **7 Working Groups**
  - **MAJCOM EMS**
  - **EMS for Joint Bases**
  - **Performance Measures and Communication**
  - **AFI 32-7001 and EMS Playbook**
  - **ESOHCAMP**
  - **eDASH**
  - **Natural Infrastructure Assessments (NIA)**

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Plan of Attack

Organizational EMS

- OFEE EMS guidance for "Organizational EMSs" applies to multiple sites / levels of an organization
- AF identified 3-level EMS organizational structure (HQ Air Staff, Major Command, and installations)
- EMS Playbook outlines roles / responsibilities for three functional levels

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Required ISO Elements for AF EMS Organizational-Levels

ISO EMS Elements	Air-staff	MAJCOM	Base	EMS Element	Air-Staff	MAJCOM	Base
1. Scope	Y	Y	Y	10. Training	Y	Y	Y
2. Policy	Y	Y	Y	11. Operational Controls	N	N	Y
3. Aspects/Impacts	Y	Y	Y	12. Monitoring & Measurement	Y	Y	Y
4. Legal & Other Requirements	Y	Y	Y	13. Evaluation of Compliance	N	Y	Y
5. Objectives & Targets	Y	Y	Y	14. Nonconformity & Corrective Action	Y	Y	Y
6. Resources, Roles & Authority	Y	Y	Y	15. Control of Records	Y	Y	Y
7. Communication	Y	Y	Y	16. Internal EMS Audit	Y	Y	Y
8. Documentation & Doc Control	Y	Y	Y	17. Management Review	Y	Y	Y
9. Emergency Preparedness	Y	N	Y				

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Plan of Attack (cont'd)

Performance Measures and Communication

- Mixed media to spread EMS news
- Consolidating various performance measures / reporting requirements (EMS, Energy, LEEDs)
- Monthly reporting on EMS Implementation Status

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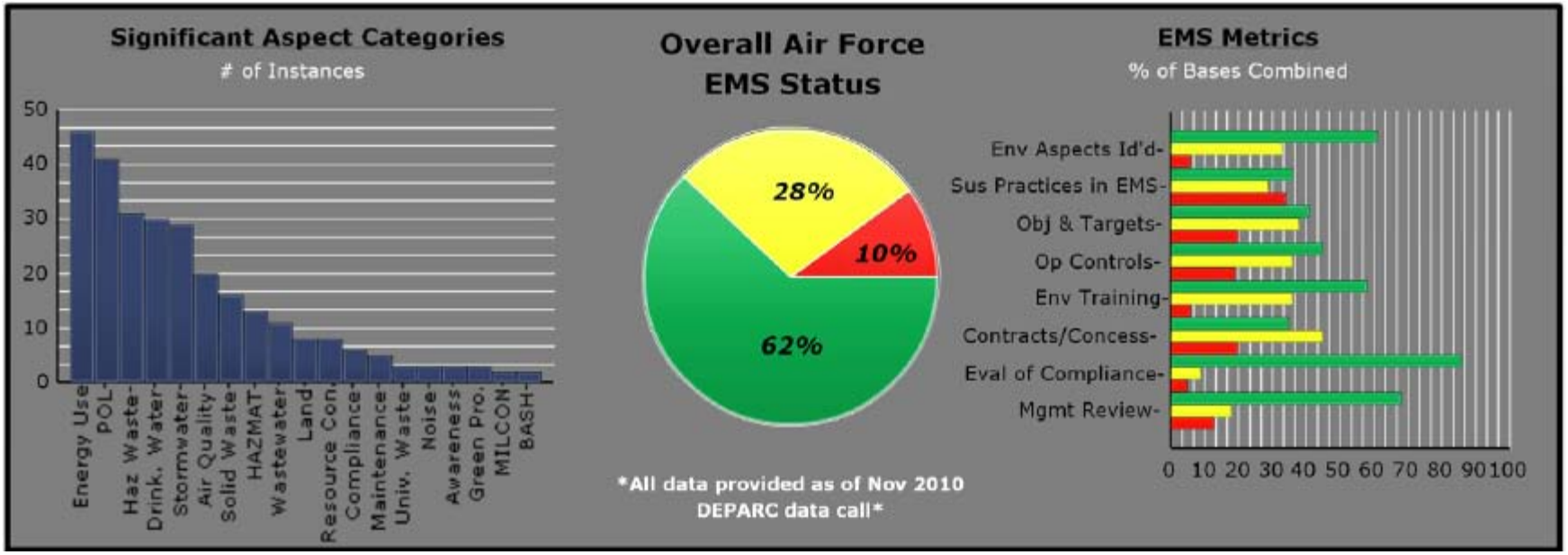
AF EMS at a Glance



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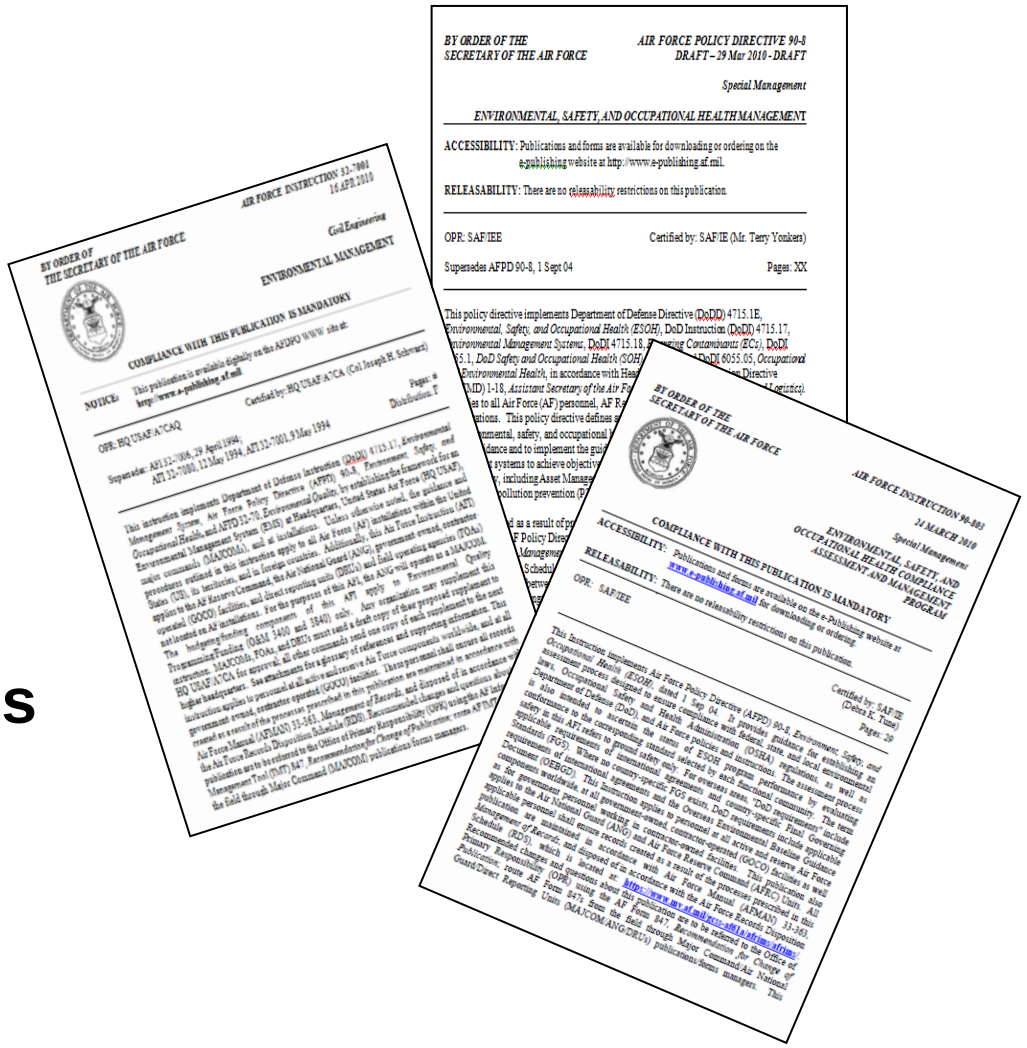
Plan of Attack (cont'd)

EMS-related Policy

- AFPD 90-8 – ESOH Management
- AF 32-7001 – formally establishes AF EMS Program (ISO 14001-conforming)
- AFI 90-803 – establishes 3-tiered ESOH "Checking" process



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Plan of Attack (cont'd)

Monitoring, Measure, Checking Activities:

- **NEW Environmental, Safety and Occupational Health Compliance Assessment and Management Program (ESOHCAMP) Process**
  - **Streamlined, smaller footprint, and less impact on daily operations**
  - **Focus: Highest compliance vulnerabilities and management practices**
  - **External assessments (3 years) will perform mandatory EMS audit**
- **NEW ESOH Metric Dashboard**

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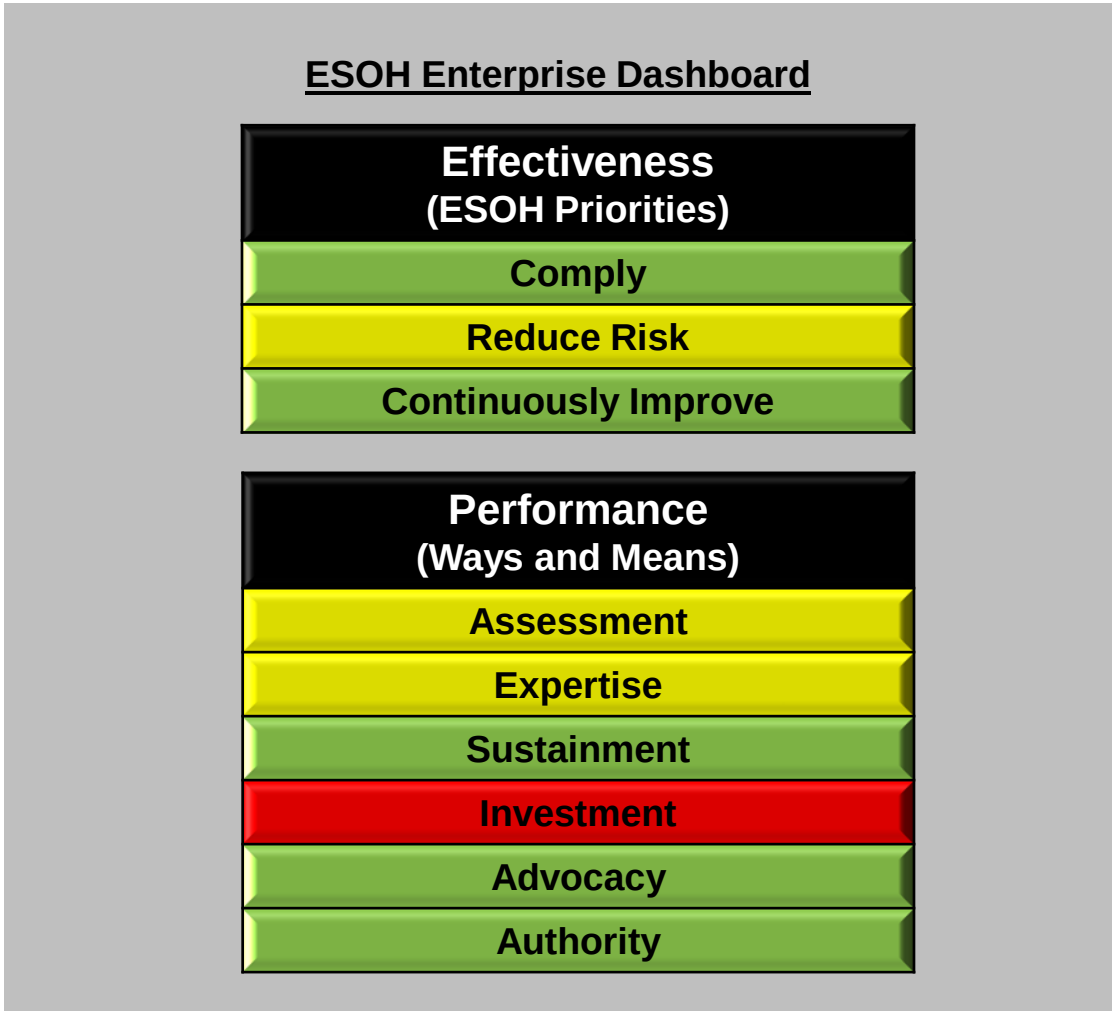
Application of Solution to ESOH Enterprise

AF ESOH Vision and Mission

Six Primary Methods



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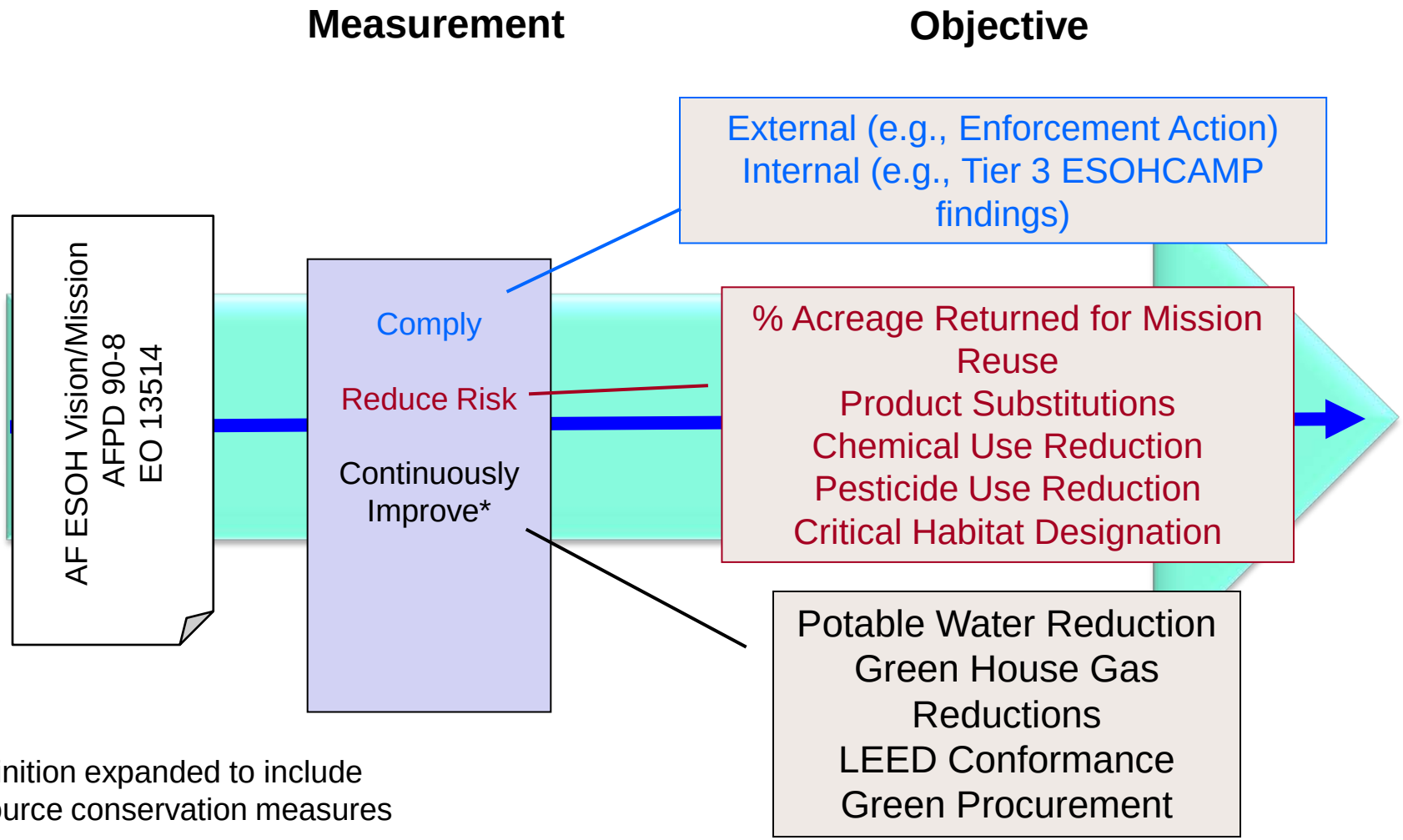
Effectiveness Measurement



Definition expanded to include resource conservation measures

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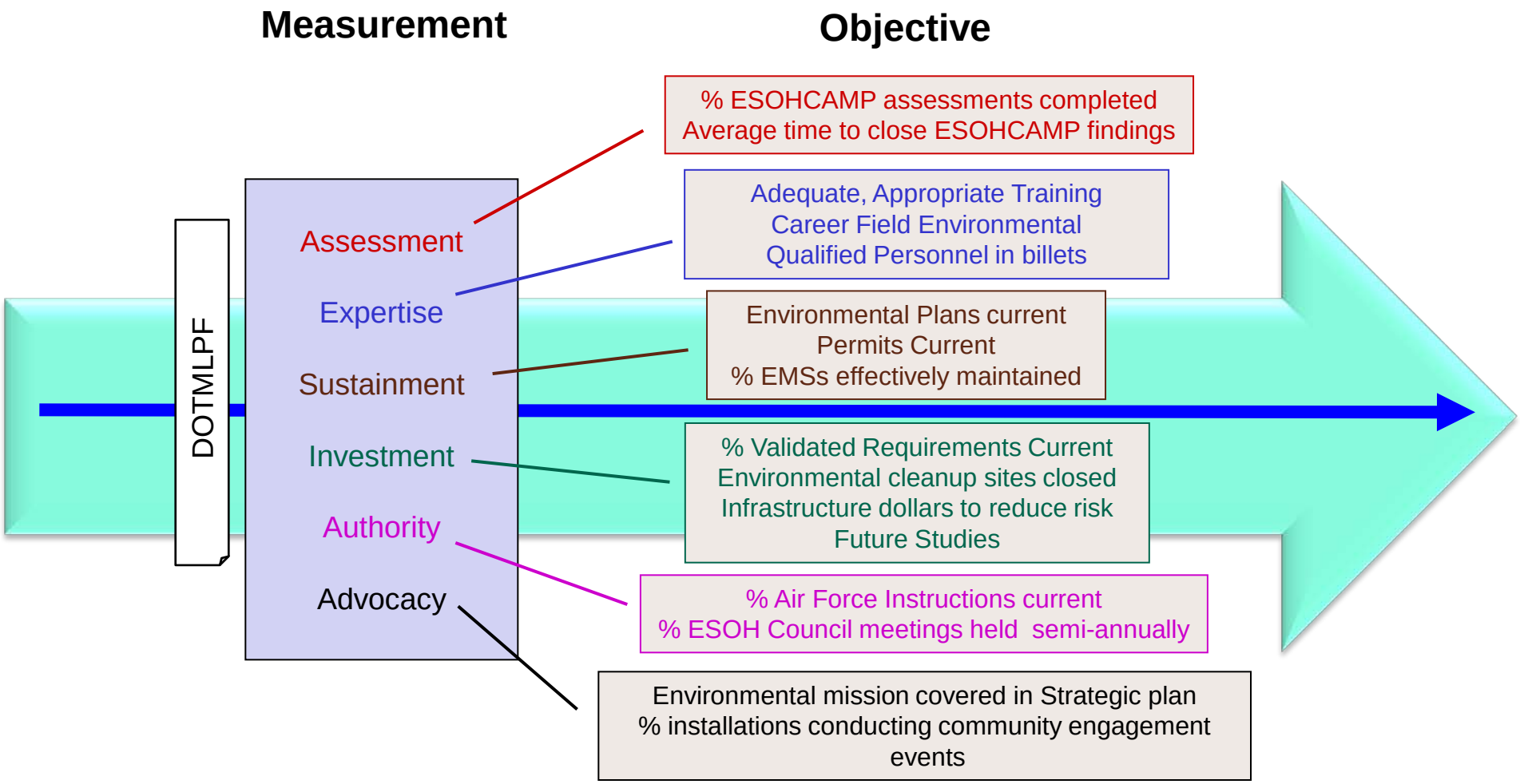
Performance Measurement



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Plan of Attack (cont'd)

EMS Playbook – takes the "what" of the AFIs and describes the "how"

- **Provides example documents**
- **Video illustrations**
- **Links to other information sources**

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Plan of Attack (cont'd)

IT Solution (common solution set)

- **Group identified desired EMS information management capabilities**
- **One platform that provides AF-wide visibility of EMS components (i.e. performance monitoring, document control)**

TOP TEN ITEMS
1. Web-based
2. Manage Aspects
3. Document Management & Version Control
4. Communications
5. Report Capabilities
6. Allows for Demonstration of Conformance
7. Document Objectives & Targets
8. Assign & Track Tasks
9. Create EMPs
10. Online EMS Manual

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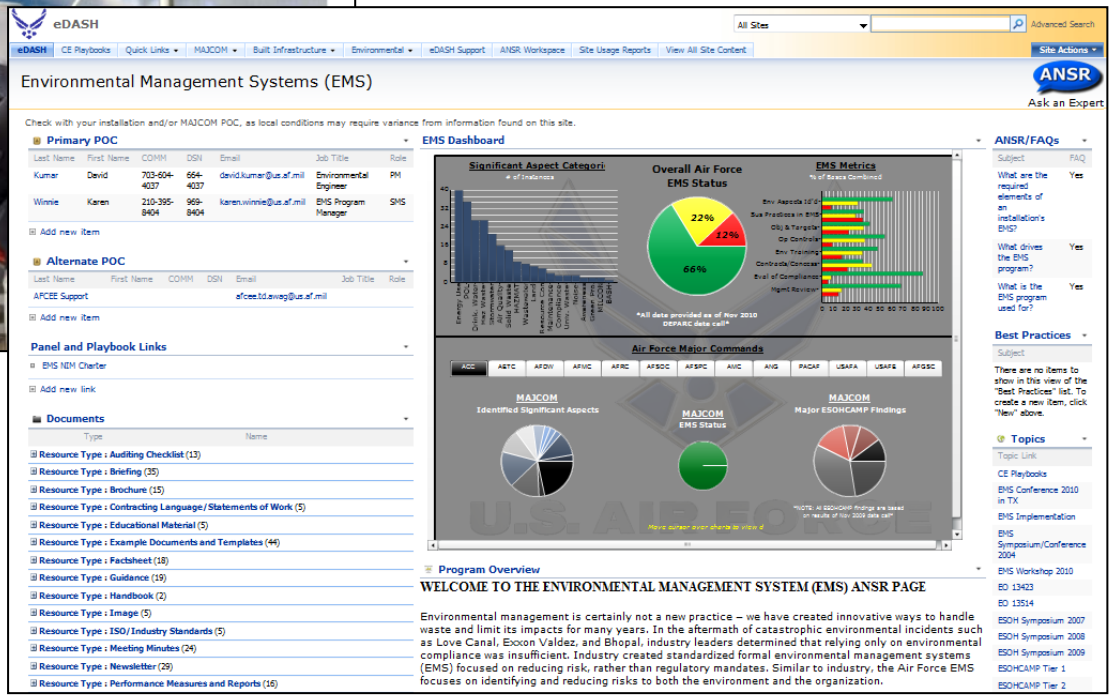
Plan of Attack (cont'd)



SharePoint-Based EMS Management Tool

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Conclusion

- Continue eDASH deployments
- Continue to integrate EMS audits into Tier 2 / Tier 3 ESOHCAMPs
- Continue to effectively communicate EMS messages
- Publish AFI 32-7001 and EMS Playbook
- Continue to work on integrating EMS and NI / BI management requirements, as well as EMS with O and H Management Systems
- Develop holistic installation, performance management scorecard (EMS, NIM, LEEDs, Energy)
- Installations incorporate EOs 13423 and 13514 goals as EMS objectives

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Questions?

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